# AJAYI ADEBOYE SAMUEL

Full-Stack Developer | Backend & API Architecture Expert | E-commerce & Payment Integrations | Remote Ready
| [Email](Email) | Phone: +234 703 349 5178 | [Linkedin](Linkedin) | [Github](Github) | [Portfolio](Portfolio) | Lagos,Nigeria.

## Professional Summary

Results-driven full-stack developer with proven expertise in building enterprise-grade Django and Next.js applications, comprehensive API documentation, and scalable microservices architecture. Specialized in secure authentication systems, friend management systems, interactive API documentation, and production-ready backend solutions. Successfully designed and implemented end-to-end e-commerce platforms, including secure multi-currency payment gateway integrations (Stripe, PayPal) with robust webhook handling, advanced real-time inventory management with sophisticated pre-order logic, and fully automated order fulfillment systems. Demonstrated ability to deliver well-tested, documented systems that meet industry standards with celebrity-scale scalability. Actively seeking remote opportunities to contribute technical expertise to dynamic development teams.

## Technical Skills

**Languages**: Python, JavaScript, TypeScript.

**Frameworks**: Django, Django REST Framework, Next.js (App Router), React.

**Databases**: PostgreSQL, SQLite, Render, Supabase, Neon.

**Authentication**: JWT, OAuth2, Bearer Token, Custom systems, Admin Authentication.

**API Docs**: Swagger/OpenAPI, drf-yasg, Interactive API testing.

**Testing**: Unit tests, API tests, TDD, 100% test coverage.

**DevOps & Tools**: Render, Vercel, Git, GitHub.

**API Design**: RESTful APIs, Microservices, Auto-generated docs, Custom pagination, Payment Gateway APIs (Stripe, PayPal), Next.js Server Actions, Webhooks.

**Other**: Data Analysis, Selenium, Rate limiting, Throttling, Social features, E-commerce Development, Real-time Inventory Management (including pre-orders), Automated

Order Fulfillment, Email Automation (Nodemailer, Resend), UI/UX (Shadcn/UI, Tailwind CSS), UUID, date-fns, sonner

## Professional Experience

**Full-Stack Developer**
**AMA Fashion E-commerce Platform (Personal Project) | Jun 2024 – Present**
**End-to-End E-commerce Development**: Architected and implemented a complete online fashion store using Next.js (App Router) for both frontend and robust API Routes backend, ensuring a seamless shopping experience.

**Advanced Payment Gateway Integration**: Successfully integrated Stripe and PayPal APIs to facilitate secure, multi-currency transactions (AED, GBP, USD), managing complex checkout sessions, handling asynchronous webhooks for payment verification, and ensuring accurate order finalization and database recording.

**Dynamic Inventory & Pre-order Management**: Developed a sophisticated backend with Neon (PostgreSQL) for real-time stock tracking, dynamic pricing, and a critical "Buy Now + Pre-Order" logic, enabling sales of both in-stock and future-available items, and handling mixed-cart scenarios with precise quantity allocation.

**Automated Order Fulfillment & Communication**: Streamlined post-purchase workflows by automating order creation, precise stock deduction upon payment confirmation, and dispatching comprehensive email notifications (order confirmation, shipping updates, delivery alerts, vendor notifications) via Resend and Nodemailer.

**Intuitive Admin Dashboard**: Built a powerful admin interface utilizing Next.js Server Actions for efficient management of product inventory (add, edit, delete), real-time quantity and status updates, pre-order date settings, and detailed order status tracking (New, Processing, Completed, Shipped, Delivered, Cancelled, Refunded, On-Hold).

**Robust Database Management**: Managed database schema evolution and data integrity through custom migration scripts, ensuring smooth transitions and reliable data storage.

**Responsive UI/UX**: Crafted an elegant, mobile-first user experience using Shadcn/UI and Tailwind CSS, ensuring seamless and accessible shopping across all devices.

**Scalable Cloud Deployment**: Leveraged Vercel for continuous integration and deployment, ensuring high performance, scalability, and reliability of the e-commerce platform.

## Backend Developer

**Chat Service Platform (Personal Project) | Apr 2024 – Present**

**Authentication Microservice**: Architected enterprise-grade authentication with JWT, refresh tokens, and multi-device sessions.

**Friend Management System**: Built comprehensive social features supporting celebrity-scale user bases (millions of connections) with intelligent pagination and real-time friend discovery.

**API Documentation**: Implemented Swagger/OpenAPI documentation with Bearer token auth, reducing integration time by 70%.

**Scalable Architecture**: Designed friend request system handling bulk operations, mutual friend discovery, and advanced user search with smart filtering.

**Production Features**: User management with real-time online tracking, scalable pagination (20-25 items per endpoint), and enterprise-grade admin interface.

**Security Implementation**: Rate limiting, throttling, account deactivation/deletion, secure logout with token blacklisting.

**SMS Integration**: Africa's Talking API for multi-factor authentication.

**Test Coverage**: Achieved 100% test coverage with 26+ comprehensive test cases across authentication and friend management.

**Database Optimization**: Strategic use of select_related() and prefetch_related() for celebrity-scale performance.

**Microservices Ready**: Independent, scalable services across authentication, friend management, and messaging (in development).

## Backend Developer

**Wekume Project (Remote) | Apr 2024 – Present**

Architected enterprise-grade authentication microservice with JWT, refresh tokens, and multi-device sessions.

Implemented Swagger/OpenAPI documentation with Bearer token auth, reducing integration time by 70%.

Built production-ready user management with real-time online tracking and scalable pagination.

Developed security features: rate limiting, throttling, deactivation, deletion, password recovery.

Integrated Africa's Talking API for SMS multi-factor authentication.

Achieved 100% test coverage with comprehensive test cases.

Designed microservices architecture for scalable services across authentication, messaging, and user management.

## Backend Developer Intern
**InternPulse (Remote) | Oct 2023 – Dec 2023**
Designed scalable APIs for library systems, healthcare, and inventory.

Implemented advanced filtering and automated data scraping with Selenium
Built financial analytics APIs delivering real-time insights.

## Operations Support
**Premier Lottery (Lagos) | 2017 – Present**
Managed operations across 50+ outlets, boosting efficiency and revenue by 20%
Led budgeting and compliance audits to reduce regulatory risks.

## Intern (Forage Program)
Accenture North America (Remote) | Sep 2023
Cleaned datasets, generated insights, and created data visualizations.

## Key Projects
**Utmost Healthcare Solutions LLC Website**
**Description**: A professional Next.js website for a home healthcare provider, showcasing their services, mission, and values with a focus on compassionate care.

**Key Features**:
**Responsive Design**: Developed a responsive Next.js application with a clean, user-friendly interface.

**Hero Section**: Implemented a prominent hero section highlighting the company's core message: "Always Caring. Always Here."

**Service Details**: Detailed various healthcare services, including Skilled Nursing, Personal Care, and Companion Services.

**Company Values**: Showcased the company's mission, core values (Compassion, Excellence, Family-Focused, Reliability), and experienced team.

**Contact & CTA**: Integrated contact information and clear calls-to-action for service inquiries.

**Service Areas & Payments**: Displayed service areas across various counties in Georgia and flexible payment options.

**Styling**: Utilized Tailwind CSS for styling and Lucide React for icons.

**Stack**: Next.js, React, TypeScript, Tailwind CSS, Lucide React.

**Live Link**: https://www.urutmost.com

## AMA Fashion E-commerce Platform

**Description**: A comprehensive full-stack e-commerce solution designed to facilitate online sales of luxury African fashion, featuring secure multi-currency payment processing, advanced real-time inventory management with pre-order capabilities, and fully automated order fulfillment.

**Key Features**:
**Product Catalog**: Dynamic display of products with detailed information and multi-currency pricing.

**Shopping Cart:** Intuitive cart management with quantity adjustments and item removal.

**Secure Checkout**: Seamless integration with Stripe and PayPal for secure payment processing, including robust webhook handling for payment status updates and order finalization.

**"Buy Now + Pre-Order" Logic**: Unique system allowing customers to purchase both in-stock and pre-order items within a single transaction, with intelligent stock allocation and pre-order date tracking.

**Automated Notifications**: Automated email confirmations, shipping updates, delivery alerts, and vendor notifications to streamline communication, powered by Resend and Nodemailer.

**Admin Panel**: Robust dashboard for product CRUD operations, real-time inventory adjustments (stock, status, pre-order dates), and comprehensive order lifecycle management (tracking payment, order, and shipping statuses).

**Impact**: Enabled direct-to-consumer sales, significantly automated critical business operations (inventory, order processing, customer communication), and provided a highly reliable and user-friendly shopping experience.

**Stack**: Next.js (App Router, API Routes, Server Actions), React, TypeScript, Neon (PostgreSQL), Stripe API, PayPal API, Resend, Nodemailer, Shadcn/UI, Tailwind CSS, Vercel, UUID, date-fns, sonner.

## Chat Service Microservices Architecture (Current)

**Authentication System**: JWT, refresh tokens, user management with enterprise security

**Friend Management**: Celebrity-scale social features with smart pagination, friend requests, mutual friend discovery, and advanced user search.

**Interactive Documentation**: Swagger docs with live testing and auto-generation.

**Advanced Features**: Rate limiting, throttling, account control, online status tracking, bulk admin operations.

**Performance**: Optimized for millions of users with strategic database queries and custom pagination.

**Stack**: Django, DRF, PostgreSQL, JWT, Swagger/OpenAPI, drf-yasg
Impact: 100% test coverage, reduced unauthorized access by 95%, eliminated API integration confusion

## Wekume Authentication System

Secure JWT setup with profile management and password recovery
Phone/email verification; reduced unauthorized logins by 95%.

## Next.js Booking System
Mobile-first web platform integrated with Supabase; boosted bookings by 40%.

## Library Management API
Advanced filtering, status automation using Django signals; deployed on Render.

## Education
Bachelor of Science in Accounting
Olabisi Onabanjo University | 2016

Diploma in Business Administration
Olabisi Onabanjo University | 2009

## Certifications
InternPulse Cohort 5 Finalist – Backend Development (2023)

Backend Development with Python Django – Univelcity (2023)

Data Analytics Professional Program – One Campus Academy (2023)

## Languages
English (Fluent), Yoruba (Native)

## Core Competencies
**API Architecture**: Scalable, well-documented RESTful APIs with celebrity-scale performance.

**Social Features**: Friend management, user discovery, real-time social interactions.

**Security**: JWT, rate limiting, enterprise-grade safeguards.

**Documentation**: Interactive, developer-friendly API docs with live testing.

**Problem-Solving**: Complex authentication, social features, and scalability challenges.

**Teamwork**: Delivers production-ready systems teams can easily integrate.

**Performance**: Database optimization and pagination for millions of users.

**E-commerce Solutions**: End-to-end development of online stores, multi-currency payment processing, advanced inventory systems, and automated order fulfillment.

**Available for**: Full-time remote full-stack roles, backend roles, API architecture, microservices development, social platform development, or contract opportunities.

Let's connect and build something amazing!